
In re Application of: Sean Boerner

Group Art Unit: 3628

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Examiner: Nguyen, Nga B

For: Method and System to Identify Discrete Trends in Time Series

Commissioner of Patents and Trademarks

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RESPONSE TO OFFICE ACTION

In response to the Office Action mailed February 2, 2010 applicant respectfully submits the following responses.

1. A new figure, FIG. 12, is submitted to show a system as claimed. No new material is added. Fig. 12 shows a system **1000** with an input means **1100**, a memory means **1200**, a processing means **1300**, and an output means **1400**. These element numbers are added for convenience and are supported by the specification as previously noted in the Appeal Brief:

Claim 1. (Previously Amended) A computer system for breaking a time series into a plurality of discontinuous trends, the system comprising:

an **input means (FIG. 4a, #410)** for inputting time series data to a computer, the time series comprising a plurality of data elements, at least a portion of which represents a trend which is generally increasing or decreasing (FIG. 2, #110 ; 8:10-21);

a **memory means (FIG. 1, #100-400)** for storing the time series data;

a **processing means (FIGs. 2-4)** for

selecting a plurality of sets of trend determination parameters for the time series, each set of trend determination parameters comprising at least one window size, such that the window size defines a number of adjacent data elements from the time series to be used to generate trends (FIG. 1, #300 ; 13:15 to 15:3);

selecting a useful group of sets of trend determination parameters for the time series from the plurality of sets of trend determination parameters, such that the useful group of sets includes at least one member (11:4-11 ; 27:20-23);

processing the time series with each member of the useful group of sets of trend determination parameters to generate a set of trends and trend attributes for each member(FIG. 1, #400 ; FIG. 4a, 4b; 15:5 to 24:5; 28:1 to 32:16);

evaluating the trend attributes for each member;

selecting at least one set of trends; and

an **output means (FIG. 1, #600)** for outputting the set of trends from the computer (FIG. 1, #600 ; 21:7).

2. Specification and claims amendments are provided on following pages.

3. Please cancel claim 26.

Thank you for your continued assistance in this application.